

Est. Cost : 150.00 Lakhs Original/Duplicate/Triplicate Tend Cost : 133.58 Lakhs
 Work Order No. : Work Order No: EE/SWD/DHIZ/WO/05/2016-17 dtd 01-01-2018. Job No: 012-13-000022

EST Final

CONTRACT CERTIFICATE

Division
 Bill Received No. Date: Cash Book Voucher No. dated:
 Scheduled Doctd No.

Name of Work (as per sanctioned estimate) Name of the work :- Construction of RCC culvert & U Shape drain for secondary SWD drains near Divya engineering works at Kammagondanahalli in Ward No.12

Name of Contractor and Full Address. Name of the Contractor : Smt K. Jayamma

Reference Agreement No: EE/SWD/DHIZ/AGM/11/05/2016-17 dtd 01-01-2018.

Certified that the measurement were taken by me on 24/1/2018 and recorded of pages 64598/2 to 64599/2 of measurement Book No 646/10-11 that the work is satisfactorily executed.

Contractor Jayamma K. Officer in Charge of work 31/1/19
 Certified that the measurements were taken by me on 31/1/19 and found correct, the work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is in the office

if Memorandum of Payment

- 1) Total value of work done or supplies made as per account within
- 2) Deduct amount to be held in reserve being percent Rs.
- 3) Deduct amount to be held in Balance

1) Deduct Payments:

- a) Amount of previous payment as in the office Cash Book Voucher No. Dated S.D No.
 Amount adjusted towards cash advance recovery of
- b) Payments cost store or other materials supplied
 Now made recovery of amount creditable to this/other work
 Amount paid on this bill Cheque Cash

- 5) Balance being unpaid value of work done held in reserve
- 6) Deduct cash advance made on the Office Cash Book Voucher No. dated less adjustments
- 7) Net amount due to or from contractor
 Unadjusted items
- 8) Advance to contractor for materials brought to site (as detailed) with Value of Government materials supplied

Present	12498000=00
IT	124980=00
CGST	124980=00
SGST	124980=00
WVC	124980=00
CBF	12498=00
LR	292958=00
Deductions	805376=00
Net	11692624=00

Received Rs. (in words)

by cash and by adjustment of Payment as per memorandum.

Witnesses:

1
 2
 Dated: Signature of Contractor

Paid by me by cheque No. dated:
 Cast Rs. dated:

Initials of Officer making payment

Contractor's Signature

Jayamma K.

(For use in the Office)

Audited & Admitted for Rs. 13997760=00
 Pay by cheque Rs. 13192384=00
 By Adjustment Rs. 805376=00
 Cons
 Accts. Suptd. SWD, BBMP
 Exec. Engineer SWD, BBMP

Audited & Admitted for Rs. 12498000=00
 Pay by cheque Rs. 11692624=00
 By Adjustment Rs. 805376=00
 Accts. Suptd. SWD, BBMP
 Exec. Engineer SWD, BBMP

Bill from

Tender Name: Construction of RCC culvert & U Shape drain for secondary SWD drains near Divya Engineering works at Kammagondanahalli in Ward No.12

Tender Number: BBMP/2016-17/P/WORK_INDENT/22271

Est Amount Rs. 150.00 Lakhs

Tendered Premium: 8.244 % below when compared to KPWD SR 2015-16

Agreement Amt Rs 13358570

Item no	Description of Work	Unit	Rate	Previous Quantity		Present Quantity		Total UPTO Date		Remarks
				Qty	Rate	Qty	Amount	Qty	Amount	
1	2	3	4	5	6	7	8	9	10	11
1	KSRRB M200-12.3 Dismantling of Existing Structures like Culverts, Bridges, Retaining Walls and other structures comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding where ever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications (Prestressed/ reinforced cement concrete grade M20 and above) as directed by the Engineer in charge of the work.	Cum	1000.00	15.49	-	15.49	15490.00	15.49	15490.00	
2	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications, iii) Dismantling Stone Masonry. A. Rubble Stone masonry in lime mortar. MORTH Specification No. 202 KSRRB M200- 15.2. -do- B. Rubble stone masonry in cement mortar as directed by the Engineer in charge of the work.	Cum	200.00	23.98	-	23.98	4795.20	23.98	4795.20	
3	Excavation of removal of silt mixed with sand, human excreta, garbage in slussy condition from Storm water drain in Bangalore City including disposing off the same as directed including cost of machinery labour, fuel etc., complete (By Mechanical Means) with all lead and lifts for disposing off to designated site as directed by the Engineer in charge of the work.	Cum	300.00	455.55	-	455.55	136665.00	455.55	136665.00	
4	Excavation of removal of silt mixed with sand, human excreta, garbage in slussy condition from Storm water drain in Bangalore City including disposing off the same as directed including cost of machinery labour, fuel etc., (By Manual Means) with all lead and lifts for disposing off to designated site as directed by the Engineer in charge of the work.	Cum	600.00	557.64	-	557.64	334584.00	557.64	334584.00	
5	Diversion of water course by providing coffer dams or bunds or islands as may be necessary for piers and abutments foundations, bailing out or pumping water during excavation and until completion etc.... complete beyond 1.50m depth upto & including 3m depth all leads and lifts as directed by the Engineer in charge of the work.	Cum	300.00	93.19	-	93.19	27956.25	93.19	27956.25	
6	Excavation in marshy soil upto 3m depth for foundation of structures as per drawing and technical specifications, removing the excavated stuff to a lead of 15m, including dewatering, shoring, refilling trenches in 250mm layers, wherever necessary watering and ramming, including cost of all materials, labour complete as per specifications. V. Marshy Soil - B Mechanical means as directed by the Engineer in charge of the work.	Cum	110.00	557.02	-	557.02	61272.13	557.02	61272.13	

Bill & Admitted
Pay by

1	2	3	4	5		6		7		8		9		11
				Qty	Rate	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	
7	KSSRB M2100-2.1 Earth work in excavation for foundation of structures such as culverts, bridges etc. as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per specifications in Ordinary soil - B. Mechanical Means (i) Depth upto 3m MORTH Specification No. 304 as directed by the Engineer in charge of the work.	Cum	50.0	1307.64	-	1307.64	65381.90	1307.64	65381.90	1307.64	65381.90	1307.64	65381.90	
8	KSSRB M2100-5.1 Earth work Excavation for foundation of structures as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per specifications as per MORTH specification No.304 B in Marshy soil upto 3m depth (By manual means) as directed by the Engineer in charge of the work.	Cum	420.0	169.88	-	169.88	71350.27 71349.6	169.88	71350.27 71349.6	169.88	71350.27 71349.6	169.88	71350.27 71349.6	
9	KSSRB M2100-1.1 Earth work in Excavation for foundation of structures as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per MORTH specification No.304 B in Ordinary soil upto 3m depth (By manual means) as directed by the Engineer in charge of the work.	Cum	100.0	5.76	-	5.76	576.00	5.76	576.00	5.76	576.00	5.76	576.00	
10	Providing and filling in foundation with Granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specifications as directed by the Engineer in charge of the work.	Cum	1800.0	451.01	-	451.01	811818.00	451.01	811818.00	451.01	811818.00	451.01	811818.00	
11	KSSRB 2.8 - Providing and Filling in foundation with granite I trap broken metal 100mm (available boulders obtained from dismantling of masonry including charges for breaking into pieces) and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications specification. No. KBS as directed by the Engineer in charge of the work.	Cum	1200.0	7.94	-	7.94	9528.00	7.94	9528.00	7.94	9528.00	7.94	9528.00	
12	KSSRB M2100-10 - Plain Cement Concrete M10 with OPC cement @ 220 kgs, with crushed 40mm and down size graded metal coarse aggregates @ 0.84 Cum and fine aggregates @ 0.56 Cum, in foundation mechanically mixed placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No.2100 all leads and lifts as directed by the Engineer in charge of the work.	Cum	5800.0	198.28	-	198.28	1149997.28	198.28	1149997.28	198.28	1149997.28	198.28	1149997.28	
13	KSSRB M 2100-17.2 : Plain/reinforcement Cement Concrete design mix M25 with OPC cement @ 340 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70 Cum and fine aggregates @ 0.47 Cum with superplasticiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, open foundation complete as per Drawing and Technical Specification with Batching plant, transit mixer and concrete pump MORTH Specification No. 1500, 1700 & 2100 all leads and lifts as directed by the Engineer in charge of the work.	Cum	5900.0	402.34	-	402.34	2373806.00	402.34	2373806.00	402.34	2373806.00	402.34	2373806.00	

1	2	3	4	Previous Quantity		Present Quantity		Total UPTO Date		11
				Qty	Rate	Qty	Amount	Qty	Amount	
14	KSRRB M 2200-5 12 : Design mix M25 sub-structure with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.7Cum and fine aggregates @ 0.47Cum with superplasticiser @ 3lts conforming to IS9103-1999 Reaffirmed-2008 upto 5 mtrs. Upto 5 Mtrs height all leads and lifts as directed by the Engineer in charge of the work.	Cum	6200.0	280.13	-	280.13	1736806.00	280.13	1736806.00	
15	KSRRB M 2100-17 2 : Plain/reinforcement Cement Concrete design mix M35 with OPC cement @ 390 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.68Cum and fine aggregates @ 0.45Cum with superplasticiser @ 3lts conforming to IS9103-1999 Reaffirmed-2008, open foundation complete as per Drawing and Technical Specification with Batching plant, transit mixer and concrete pump MORTH Specification No. 1500, 1700 & 2100 all leads and lifts as directed by the Engineer in charge of the work.	Cum	6000.0	21.18	-	21.18	127080.60	21.18	127080.60	
16	KSRRB M 2200-5 12 : Design mix M35 sub-structure with OPC cement @ 390kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.68Cum and fine aggregates @ 0.45Cum with superplasticiser @ 3lts conforming to IS9103-1999 Reaffirmed-2008 upto 5 mtrs. Upto 5 Mtrs height all leads and lifts as directed by the Engineer in charge of the work.	Cum	6800.0	18.96	-	18.96	128928.00	18.96	128928.00	
17	KSRRB M2300-8 1. Furnishing and Placing Reinforced/ Prestressed cement concrete in super-structure as per drawing and Technical Specification complete as per specifications. D. RCC / PSC with OPC cement design mix M35 @ 390kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.68Cum and fine aggregates @ 0.45Cum, with superplasticiser @ 3lts conforming to IS9103-1999 Reaffirmed-2008, Case - II : Using Batching Plant, Transit Mixer & Concrete Pump MORTH Specification No. 1500, 1600 & 1700. Height upto 5 m all leads and lifts as directed by the Engineer in charge of the work.	Cum	7000.0	20.73	-	20.73	145110.00	20.73	145110.00	
18	Supplying, fitting and placing TMT bar reinforcement in sub-structure complete as per drawing and technical specifications complete as per specifications. TMT Bars Fe 500 all leads and lifts as directed by the Engineer in charge of the work.	MT	52000.0	56.81	-	56.80	2953844.40	56.80	2953844.40	
19	Supplying, fitting and placing TMT bar reinforcement in super-structure complete as per drawing and technical specifications complete as per specifications. TMT Bars Fe 500 all leads and lifts as directed by the Engineer in charge of the work.	MT	52000.0	2.11	-	2.11	109720.00	2.11	109720.00	
20	PVC pipes 2.50 kg/sqm 110mm outer dia as directed by the Engineer in charge of the work.	Rmt	100.0	120.96	-	120.96	12096.00	120.96	12096.00	
21	KSRRB M2200 9. Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2500.4.2.2 of MORTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height and compacted to a firm condition complete as per drawing and Technical Specification complete as per specifications with all lead and lifts, etc., after breaking of clods complete as per specifications and as per direction of Engineer in-charge page no 229/28.13 all leads and lifts as directed by the Engineer in charge of the work.	Cum	1000.0	275.38	-	275.38	275380.00	275.38	275380.00	

1	2	3	4	Previous Quantity		Previous Unit		Previous Amount		Current Quantity		Current Amount		11
				Qty	Rate	Qty	Rate	Amount	Amount	Qty	Rate	Amount	Amount	
22	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering including cost of all labour complete as per specifications all leads and lifts as directed by the Engineer in charge of the work.	Cum	100.0	474.66	-	474.66	-	47466.00	47466.00	474.66	-	47466.00	47466.00	11
23	KSRRB M100-T Collecting, Conveying and disposal of surplus/excavated earth including Stone Boulder / Stone aggregates / Sand/ Kanker / Moorum to designated dumping site all leads and lifts for disposal as directed by the Engineer in charge of the work.	Cum	100.0	3559.88	-	2086.05	-	208605.00	208605.00	3558.88	-	355888.00	355888.00	
	A). Quantity up to 125%	Cum	100.00	-	-	521.50	-	52150.00	52150.00					
	B). Quantity above 125%	Cum	99.10	-	-	951.32	-	94275.81	94275.81					
24	KSRRB 4-1.5 : Providing and laying in position plain Cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69cum and fine aggregates @ 0.43cum, with superplasticiser @ 3lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No. KBS 4.1.4.2 all leads and lifts as directed by the Engineer in charge of the work.	Cum	5800.00	-	-	0.00	-	0.00	0.00	0.00	-	0.00	0.00	
25	Supplying and fixing MS. Rectangular poles made out of 2 equal angles of 65x65-6m m welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead and lift and as per the directions of the Engineer-in-charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting. (excluding cost of earth work and concrete)	Rmt	500.0	343	-	343.00	-	171500.00	171500.00	343.00	-	171500.00	171500.00	
26	Providing and fixing MS block pipe of 38mm dia of heavy guage of 14 including removing the bends, cutting the pipes and fixing pipe in between the two vertical poles (MS rectangular poles) and spot welding the chain link with M.S block pipe including cost of all materials wastage in cutting and scaffolding wherever necessary with all lead and lift as directed by the engineer in charge of work etc. complete including two coats of approved quality paint over one coat of shop paint	Rmt	300.0	1495.55	-	1495.55	-	448665.00	448665.00	1495.55	-	448665.00	448665.00	
27	Providing chain link fencing 50 mm size of 8 gauge properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint.	Sqm	610.0	897.33	-	897.33	-	547371.30	547371.30	897.33	-	547371.30	547371.30	
28	Providing and fixing 50mm diameter and 750mm long perforated GI pressure relief pipe with one end closed by perforated GI plate and other end provided with aluminium lid hinged to pipe including cost of all materials,labour, drilling 8mm dia holes etc., complete all leads and lifts as directed by the Engineer in charge of the work.	Nos	300.0	-	-	0.00	-	0.00	0.00	0.00	-	0.00	0.00	
29	WRD. Providing and fixing 20mm thick 150mm depth tarfelt expasion joint filler board for cement concrete lining of canal including cost of all materils, labour etc., Complete all leads and lifts as directed by the Engineer in charge of the work.	Rmt	100.0	170.40	-	170.40	-	17040.00	17040.00	170.40	-	17040.00	17040.00	

E-1	Supplying and fixing precast reinforced concrete slab 3cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting labour charges inclusive of cost of all materials (DATA RATES)	No	25.05	5250.96	25.05	(130200.92)	25.05	(130200.92)
E-2	KNRRH M200-11.1 Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, including removal and disposal of top organic soil not exceeding 150 mm in thickness complete as per specifications II. By Mechanical Means A. In area of light jungle	cum	0.31	20588.64	0.32 0.31	(6572.36) 6366.98	0.32 0.31	(6572.36) 6366.98
E-3	KNRRH M2700-7 Reinforced cement concrete M30 Approach slab including reinforcement at 70 kg/cum and formwork complete as per drawing and Technical specification including cost of materials, labour, HDM complete as per specifications. MORRH Specification No 1500, 1600, 1700 & 2704 (Item no 32.7 & Page No-247) means as directed by the Engineer in charge of the work (SR 2018-19, P221/27.11)	Cum	27.74	2115.24	27.74	225117.04	27.74	225117.04
Total Summary Amount			-	-	-	12498000.00 (12501207.54)	-	12498000.00 (12501207.54)

GST 18%

12498000.00
1474760.00

12498000.00
1474760.00

G. P. Nayak
Assistant Engineer
SWD Dasarahalli Zone, BBMP

H. S. Shrinivas
Assistant Executive Engineer
SWD Dasarahalli Zone, BBMP

H. S. Shrinivas
Executive Engineer
SWD Dasarahalli Zone, BBMP

Total Amt 13972600.00 13972600.00